

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0119644

Owner: US Air Force, Whiteman AFB
Address: 509 CES/CEV, 660 10th Street, Ste 211, Whiteman AFB, MO 65305

Continuing Authority: Same as above
Address: Same as above

Facility Name: USA, Whiteman Air Force Base
Facility Address: 509 CES/CEV, 660 10th Street, Ste 211, Whiteman AFB, MO 65305

Legal Description: See Page 2

Receiving Stream: See Page 2
First Classified Stream and ID: See Page 2
USGS Basin & Sub-watershed No.: See Page 2

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

This permit covers only storm water outfalls.

See Page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

November 27, 2002
Effective Date

November 26, 2007
Expiration Date
MO 780-0041 (10-93)


Stephen M. Mahood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

Jim Hull, Director of Staff, Clean Water Commission

FACILITY DESCRIPTION (continued)

Outfall #001 - Federal Facility, Military Base, Airport - SIC #9711/4581

Stormwater runoff.

Design flow is .240 MGD.

Actual flow depends upon precipitation.

Legal Description: NW ¼, NE ¼, Sec. 2, T45N, R24W, Johnson County

Receiving Stream: Long Branch (C)

First Classified Stream and ID: Long Branch (C)(00857)

USGS Basin & Subwatershed No: (10300103-04002)

Outfall #002 - Federal Facility, Military Base, Airport - SIC #9711/4581

Stormwater runoff.

Design flow is 59 MGD.

Actual flow depends upon precipitation.

Legal Description: SE ¼, SE ¼, Sec. 32, T46N, R24W, Johnson County

Receiving Stream: Brewer Branch (U)

First Classified Stream and ID: Clear Fork (P)(00935)

USGS Basin & Subwatershed No.: (10300104-040002)

Outfall #003 - Federal Facility, Military Base, Airport -SIC #9711/4581/4173

Stormwater Runoff.

Design flow is 2.6 MGD.

Actual flow depends upon precipitation.

Legal Description: SE ¼, NW ¼, Sec. 27, T46N, R24W, Johnson County

Receiving Stream: Unnamed Tributary to Clear Fork (U)

First Classified Stream and ID: Clear Fork (P) (00935)

USGS Basin & Subwatershed No.: (10300104-040002)

Outfall #004 - Federal Facility, Military Base, Airport -SIC #9711/4581

Stormwater Runoff.

Design flow is 48 MGD.

Actual flow depends upon precipitation.

Legal Description: SE ¼, SW ¼, Sec. 28, T46N, R24W, Johnson County

Receiving Stream: Unnamed Tributary to Clear Fork (U)

First Classified Stream and ID: Clear Fork (P) (00935)

USGS Basin & Subwatershed No: (10300104-040002)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 6	
					PERMIT NUMBER MO-0119644	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001 & #002</u>						
Flow	MGD	*		*	once/month	24 hr. estimate
Precipitation	inches	*		*	once/month	24 hr. total
Oil & Grease	mg/L	15		10	once/month	grab
Chlorpyrifos	µg/L	*		*	once/month	grab
Ammonia	mg/L	10		10	once/month	grab
Settleable Solids	mL/L/hr	2.5		1.5	once/month	grab
Biochemical Oxygen Demand ₅	mg/L	100		50	once/month	grab
Total Suspended Solids	mg/L	*		*	once/month	grab
Total Petroleum Hydrocarbons	mg/L	10		10	once/month	grab
Chemical Oxygen Demand	mg/L	*		*	once/month	grab
pH - Units	SU	**		**	once/month	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>MONTHLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2003</u> .						
<u>Outfalls #003 & #004</u>						
Flow	MGD	*		*	once/month	24 hr. estimate
Oil & Grease	mg/L	15		10	once/month	grab
Settleable Solids	mL/L/hr	2.5		1.5	once/month	grab
Ammonia	mg/L	10		10	once/month	grab
Total Petroleum Hydrocarbons	mg/L	10		10	once/month	grab
Chemical Oxygen Demand	mg/L	*		*	once/month	grab
pH - Units	SU	**		**	once/month	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
5. Report as no-discharge when a discharge does not occur during the report period.
 6. This permit is not intended to cover storm water from land application areas for sludge from the wastewater treatment facility for Whiteman Air Force Base. Monitoring of these areas are covered under water pollution control permit MO-0029378 and must comply with that permit.
 7. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, and dispensers, including spill prevention, control and counter measures.
 8. Substances, regulated by federal law under the Resource Conservation and Recovery Act (RCRA) and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), that are transported, stored, or used for maintenance, cleaning or repair, shall be managed according to RCRA and CERCLA.

C. SPECIAL CONDITIONS (continued)

9. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
- (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
10. Permittee shall adhere to the following Best Management Practices:
- (a) Prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, or warehousing activities and thereby prevent the contamination of storm water from these substances.
 - (b) Provide collection facilities and arrange for proper disposal of waste products including but not limited to petroleum waste products, and solvents.
 - (c) Store all paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons so that these materials are not exposed to storm water or provide other prescribed BMP's such as plastic lids and/or portable spill pans to prevent the commingling of storm water with container contents. Commingled water may not be discharged under this permit. Provide spill prevention, control and/or management sufficient to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
 - (d) Provide good housekeeping practices on the site to keep trash from entry into waters of the state.
 - (e) Designate an individual as responsible for environmental matters. Provide for inspection by facility staff, weekly, of any structures that function to prevent pollution from storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective. Records of inspections must be kept onsite and made available to DNR upon request.
 - (f) Train all involved personnel in material handling and storage, and housekeeping of maintenance areas. Proof of training shall be submitted on request.
11. There shall be no release of polychlorinated biphenyl compounds (PCBs) to waters of the state at or above the level of quantification defined as 1 ug/L or 1 ppb.

C. SPECIAL CONDITIONS (continued)

12. Reporting of Effluent Violations

If any of the sampling results from any of the outfalls show any violation of the permit discharge limitations, written notification shall be made to the Department of Natural Resources within five (5) days of notification of analytical results. Notification shall indicate the dates(s) of sample collection, the analytical results and permit number, and shall include a statement concerning the revisions or modifications in management practices that are being implemented to address the violations of the limitation that occurred.

After a violation has been reported, a sample of storm water runoff resulting from the next rainfall greater than 0.1 inches shall be collected at outfall(s) for which the violation occurred. Analytical results of this sample shall be submitted in writing to the Department of Natural Resources (this paragraph supersedes Part I, Section B: e.A. Noncompliance Notification).